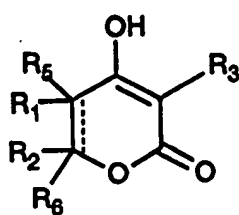
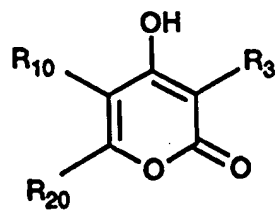


(57) Abstract

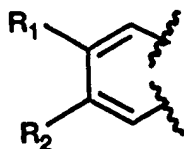
The present invention relates to compounds of formulae (I) and (II) which are pyran-2-ones, 5,6-dihydro-pyran-2-ones, 4-hydroxy-benzopyran-2-ones, 4-hydroxy-cycloalkyl[b]pyran-2-ones, and derivatives thereof, useful for inhibiting a retrovirus in a mammalian cell infected with said retrovirus, wherein R_{10} and R_{20} taken together are formulae (III) and (IV).



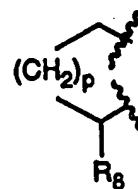
(I)



(II)



(III)



(IV)



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<p>(21) International Application Number: PCT/US95/05219</p> <p>(22) International Filing Date: 4 May 1995 (04.05.95)</p> <p>(30) Priority Data:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">08/238,817</td> <td style="width: 33%;">6 May 1994 (06.05.94)</td> <td style="width: 33%;">US</td> </tr> <tr> <td>08/349,361</td> <td>2 December 1994 (02.12.94)</td> <td>US</td> </tr> </table> <p>(60) Parent Application or Grant</p> <p>(63) Related by Continuation US Filed on 08/349,361 (CIP) 2 December 1994 (02.12.94)</p> <p>(71) Applicant (for all designated States except US): THE UPJOHN COMPANY [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): ROMINES, Karen, Rene [US/US]; 62181 41st Street, Paw Paw, MI 49079 (US). BUNDY, Gordon, L. [US/US]; 7622 Ravenswood Drive, Portage, MI 49002 (US). SCHWARTZ, Theresa, M. [US/US]; 8921 West C Avenue, Kalamazoo, MI 49009 (US). TOMMASI, Ruben, A. [US/US]; 1 Plantation</p>			08/238,817	6 May 1994 (06.05.94)	US	08/349,361	2 December 1994 (02.12.94)	US
08/238,817	6 May 1994 (06.05.94)	US						
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<p>Road, Whitehouse Station, NJ 07960 (US). STROHBACH, Joseph, Walter [US/US]; 54490 M-66, Mendon, MI 49072 (US). TURNER, Steven, Ronald [US/US]; 1713 Banbury Road, Kalamazoo, MI 49001 (US). THAISRIVONGS, Suvit [US/US]; 5695 Swallow, Kalamazoo, MI 49002 (US). ARISTOFF, Paul, Adrian [US/US]; 1650 Brookmoor Lane, Kalamazoo, MI 49002 (US). JOHNSON, Paul, D. [US/US]; 6960 Towhee, Portage, MI 49002 (US). SKULNICK, Harvey, Irving [US/US]; 1745 Old Deer Run, Kalamazoo, MI 49009 (US). SKALETZKI, Louis, L. [US/US]; 3731 Greenleaf Circle, Kalamazoo, MI 49008 (US). ANDERSON, David, John [GB/US]; 3809 Middlebury, Kalamazoo, MI 49006 (US). MORRIS, Joel [US/US]; 3001 Applelane, Kalamazoo, MI 49008 (US). GAMMILL, Ronald, B. [US/US]; 6704 Pleasantview Drive, Portage, MI 49002 (US). LUKE, George, P. [US/US]; Apartment 3 B, 6365 Bravo Court, Kalamazoo, MI 49002 (US).</p> <p>(74) Agent: GAMMILL, Martha, A.; The Upjohn Company, Corporate Intellectual Property Law, 301 Henrietta Street, Kalamazoo, MI 49001 (US).</p> <p>(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).</p> <p style="text-align: right;">Published Without international search report and to be republished upon receipt of that report.</p>								
<p>(54) Title: PYRANONE COMPOUNDS USEFUL TO TREAT RETROVIRAL INFECTIONS</p> <p>(57) Abstract</p> <p>The present invention relates to compounds of formulae (I) and (II) which are pyran-2-ones, 5,6-dihydro-pyran-2-ones, 4-hydroxy-benzopyran-2-ones, 4-hydroxy-cycloalkyl[b]pyran-2-ones, and derivatives thereof, useful for inhibiting a retrovirus in a mammalian cell infected with said retrovirus, wherein R₁₀ and R₂₀ taken together are formulae (III) and (IV).</p> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="text-align: center;"> (I) </div> <div style="text-align: center;"> (II) </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="text-align: center;"> (III) </div> <div style="text-align: center;"> (IV) </div> </div>								